

# ACKNOWLEDGEMENT RECEIPT

Electronic Version 1.1

Stylesheet Version v1.1.1

<b>Title of Invention</b>	<b>THERMAL BARRIER COATING WITH MODULATED GRAIN STRUCTURE AND METHOD THEREFOR</b>																																																																												
<p>Submission Type : Utility Patent Filing</p> <p>Application Number: 10/711364 </p> <p>EFS ID: 68430</p> <table border="1" style="width: 100%; border-collapse: collapse; text-align: center;"> <thead> <tr> <th style="width: 25%;">Confirmation Code</th> <th style="width: 75%;">Message</th> </tr> </thead> <tbody> <tr> <td>ISVR1</td> <td>Submission was successfully submitted - Even if Informational or Warning Messages appear below, please do not resubmit this application</td> </tr> <tr> <td>ICON1</td> <td>5363</td> </tr> <tr> <td>USPTOEFSNot</td> <td>For assistance with e-filing a patent application, contact the Patent Electronic Business Center: Toll-Free Number:1(866) 217-9197 Website: <a href="http://www.uspto.gov/ebc/">http://www.uspto.gov/ebc/</a></td> </tr> <tr> <td>IGEN77</td> <td>Filename= N/A BusinessRule= The access code is not included which allows for automated processing of fees from the deposit account. #Supporting Msg:Either &lt;us-access-code&gt; not found in fee-xml OR actual access code not provided in the function call.</td> </tr> </tbody> </table> <p>First Named Applicant: Ramgopal Darolia</p> <p>Attorney Docket Number: 152967</p> <p>Timestamp: 2004-09-14 14:02:04 EDT</p> <p>From: us</p> <p>File Listing:</p> <table border="1" style="width: 100%; border-collapse: collapse; text-align: center;"> <thead> <tr> <th style="width: 30%;">Doc. Name</th> <th style="width: 40%;">File Name</th> <th style="width: 15%;">Size (Bytes)</th> <th style="width: 15%;">Date Produced (yyyymmdd)</th> </tr> </thead> <tbody> <tr> <td>us-request</td> <td>HartmanA4-1784-usreq.xml</td> <td>4541</td> <td>2004-09-14</td> </tr> <tr> <td>us-request</td> <td>us-request.dtd</td> <td>19064</td> <td>2004-09-14</td> </tr> <tr> <td>us-request</td> <td>us-request.xsl</td> <td>33904</td> <td>2004-09-14</td> </tr> <tr> <td>us-fee-sheet</td> <td>HartmanA4-1784-usfees.xml</td> <td>1666</td> <td>2004-09-14</td> </tr> <tr> <td>us-fee-sheet</td> <td>us-fee-sheet.xsl</td> <td>24912</td> <td>2004-09-14</td> </tr> <tr> <td>us-fee-sheet</td> <td>us-fee-sheet.dtd</td> <td>11069</td> <td>2004-09-14</td> </tr> <tr> <td>us-declaration</td> <td>HartmanA4-1784-usdecl.xml</td> <td>2791</td> <td>2004-09-14</td> </tr> <tr> <td>us-declaration</td> <td>us-declaration.dtd</td> <td>3833</td> <td>2004-09-14</td> </tr> <tr> <td>us-declaration</td> <td>us-declaration.xsl</td> <td>10015</td> <td>2004-09-14</td> </tr> <tr> <td>us-ids</td> <td>HartmanA4-1784-usidst.xml</td> <td>824</td> <td>2004-09-14</td> </tr> <tr> <td>us-ids</td> <td>us-ids.dtd</td> <td>7763</td> <td>2004-09-14</td> </tr> <tr> <td>us-ids</td> <td>us-ids.xsl</td> <td>12026</td> <td>2004-09-14</td> </tr> <tr> <td>us-power-of-attorney-grant</td> <td>HartmanA4-1784-uspoat.xml</td> <td>2509</td> <td>2004-09-14</td> </tr> <tr> <td>us-power-of-attorney-grant</td> <td>us-power-of-attorney-grant.dtd</td> <td>4923</td> <td>2004-09-14</td> </tr> <tr> <td>us-power-of-attorney-grant</td> <td>us-power-of-attorney-grant.xsl</td> <td>12448</td> <td>2004-09-14</td> </tr> </tbody> </table>				Confirmation Code	Message	ISVR1	Submission was successfully submitted - Even if Informational or Warning Messages appear below, please do not resubmit this application	ICON1	5363	USPTOEFSNot	For assistance with e-filing a patent application, contact the Patent Electronic Business Center: Toll-Free Number:1(866) 217-9197 Website: <a href="http://www.uspto.gov/ebc/">http://www.uspto.gov/ebc/</a>	IGEN77	Filename= N/A BusinessRule= The access code is not included which allows for automated processing of fees from the deposit account. #Supporting Msg:Either <us-access-code> not found in fee-xml OR actual access code not provided in the function call.	Doc. Name	File Name	Size (Bytes)	Date Produced (yyyymmdd)	us-request	HartmanA4-1784-usreq.xml	4541	2004-09-14	us-request	us-request.dtd	19064	2004-09-14	us-request	us-request.xsl	33904	2004-09-14	us-fee-sheet	HartmanA4-1784-usfees.xml	1666	2004-09-14	us-fee-sheet	us-fee-sheet.xsl	24912	2004-09-14	us-fee-sheet	us-fee-sheet.dtd	11069	2004-09-14	us-declaration	HartmanA4-1784-usdecl.xml	2791	2004-09-14	us-declaration	us-declaration.dtd	3833	2004-09-14	us-declaration	us-declaration.xsl	10015	2004-09-14	us-ids	HartmanA4-1784-usidst.xml	824	2004-09-14	us-ids	us-ids.dtd	7763	2004-09-14	us-ids	us-ids.xsl	12026	2004-09-14	us-power-of-attorney-grant	HartmanA4-1784-uspoat.xml	2509	2004-09-14	us-power-of-attorney-grant	us-power-of-attorney-grant.dtd	4923	2004-09-14	us-power-of-attorney-grant	us-power-of-attorney-grant.xsl	12448	2004-09-14
Confirmation Code	Message																																																																												
ISVR1	Submission was successfully submitted - Even if Informational or Warning Messages appear below, please do not resubmit this application																																																																												
ICON1	5363																																																																												
USPTOEFSNot	For assistance with e-filing a patent application, contact the Patent Electronic Business Center: Toll-Free Number:1(866) 217-9197 Website: <a href="http://www.uspto.gov/ebc/">http://www.uspto.gov/ebc/</a>																																																																												
IGEN77	Filename= N/A BusinessRule= The access code is not included which allows for automated processing of fees from the deposit account. #Supporting Msg:Either <us-access-code> not found in fee-xml OR actual access code not provided in the function call.																																																																												
Doc. Name	File Name	Size (Bytes)	Date Produced (yyyymmdd)																																																																										
us-request	HartmanA4-1784-usreq.xml	4541	2004-09-14																																																																										
us-request	us-request.dtd	19064	2004-09-14																																																																										
us-request	us-request.xsl	33904	2004-09-14																																																																										
us-fee-sheet	HartmanA4-1784-usfees.xml	1666	2004-09-14																																																																										
us-fee-sheet	us-fee-sheet.xsl	24912	2004-09-14																																																																										
us-fee-sheet	us-fee-sheet.dtd	11069	2004-09-14																																																																										
us-declaration	HartmanA4-1784-usdecl.xml	2791	2004-09-14																																																																										
us-declaration	us-declaration.dtd	3833	2004-09-14																																																																										
us-declaration	us-declaration.xsl	10015	2004-09-14																																																																										
us-ids	HartmanA4-1784-usidst.xml	824	2004-09-14																																																																										
us-ids	us-ids.dtd	7763	2004-09-14																																																																										
us-ids	us-ids.xsl	12026	2004-09-14																																																																										
us-power-of-attorney-grant	HartmanA4-1784-uspoat.xml	2509	2004-09-14																																																																										
us-power-of-attorney-grant	us-power-of-attorney-grant.dtd	4923	2004-09-14																																																																										
us-power-of-attorney-grant	us-power-of-attorney-grant.xsl	12448	2004-09-14																																																																										

Doc. Name	File Name	Size (Bytes)	Date Produced (yyyymmdd)
application-body	A4-1784.xml	45930	2004-09-14
application-body	application-body.dtd	49498	2004-09-14
application-body	Image1.tif	820603	2004-09-14
application-body	Image2.tif	820603	2004-09-14
application-body	Image3.tif	820603	2004-09-14
application-body	Image4.tif	820603	2004-09-14
application-body	soamsa.ent	5191	2004-09-14
application-body	soamsb.ent	3988	2004-09-14
application-body	soamsc.ent	1460	2004-09-14
application-body	soamsn.ent	5620	2004-09-14
application-body	soamso.ent	1934	2004-09-14
application-body	soamsr.ent	7073	2004-09-14
application-body	isobox.ent	3568	2004-09-14
application-body	isocyr1.ent	5345	2004-09-14
application-body	isocyr2.ent	2504	2004-09-14
application-body	isodia.ent	1508	2004-09-14
application-body	isogrk1.ent	4030	2004-09-14
application-body	isogrk2.ent	2259	2004-09-14
application-body	isogrk3.ent	3559	2004-09-14
application-body	isogrk4.ent	1920	2004-09-14
application-body	isolat1.ent	5282	2004-09-14
application-body	isolat2.ent	9007	2004-09-14
application-body	isomfrk.ent	4553	2004-09-14
application-body	isomopf.ent	2571	2004-09-14
application-body	isomscr.ent	4628	2004-09-14
application-body	isnum.ent	5913	2004-09-14
application-body	isopub.ent	6621	2004-09-14
application-body	isotech.ent	5268	2004-09-14
application-body	mathml2.dtd	54588	2004-09-14
application-body	mathml2-qname-1.mod	13225	2004-09-14
application-body	mmlalias.ent	38209	2004-09-14
application-body	mmlextra.ent	7901	2004-09-14
application-body	soextblk.dtd	12870	2004-09-14
application-body	us-application-body.xsl	82504	2004-09-14
application-body	wipo.ent	4956	2004-09-14
application-body-pdf-wrap	A4-1784-pdf-wrap.xml	733	2004-09-14
abstract-pdf	A4-1784-abst.pdf	152127	2004-09-14
claims-pdf	A4-1784-clms.pdf	41148	2004-09-14
description-pdf	A4-1784-desc.pdf	66932	2004-09-14
drawings-pdf	A4-1784-draw.pdf	901815	2004-09-14
package-data	HartmanA4-1784-pkda.xml	9863	2004-09-14
package-data	package-data.dtd	27025	2004-09-14
package-data	us-package-data.xsl	19263	2004-09-14
			Total files size 5057089

Message Digest:

Digital Certificate Holder  
Name:

cn=Domenica N. S.  
Hartman,ou=Registered  
Attorneys,ou=Patent and  
Trademark  
Office,ou=Department of  
Commerce,o=U.S.  
Government,c=US